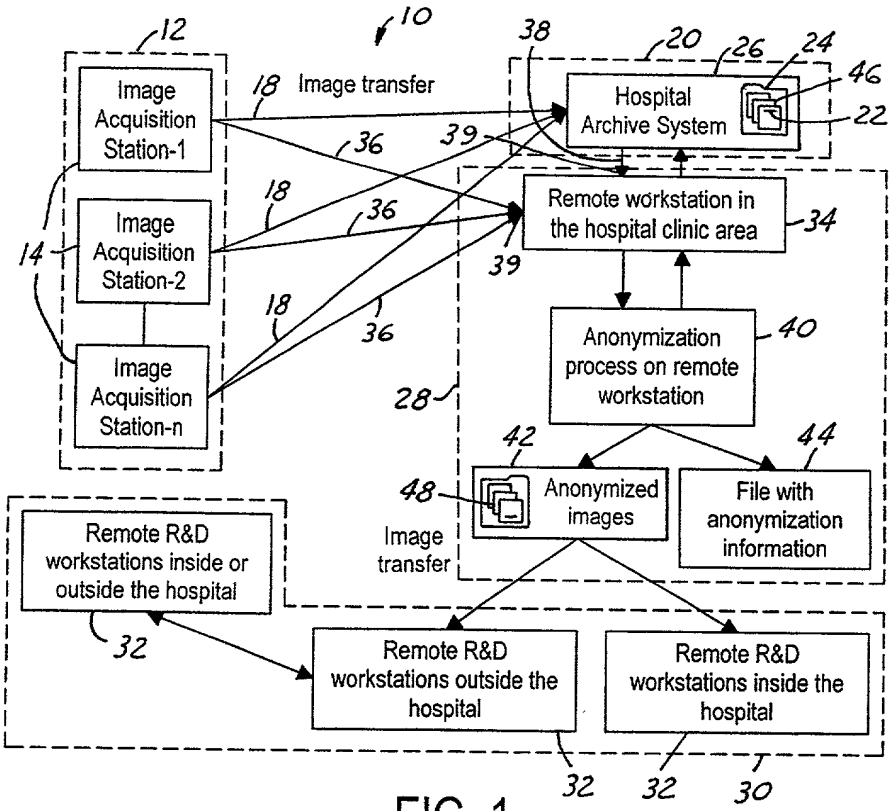
10
12
Image Acquisition Station-1
Image Acquisition Station-2
Image Acquisition Station-n
14
18
Image transfer
36
38
39
20
26
24
46
22
Hospital Archive System
Remote workstation in the hospital clinic area
34
Anonymization process on remote workstation
40
28
42
44
48
Anonymized images
File with anonymization information
Image transfer
Remote R&D workstations inside or outside the hospital
32
Remote R&D workstations outside the hospital
Remote R&D workstations inside the hospital
30

FIG. 1

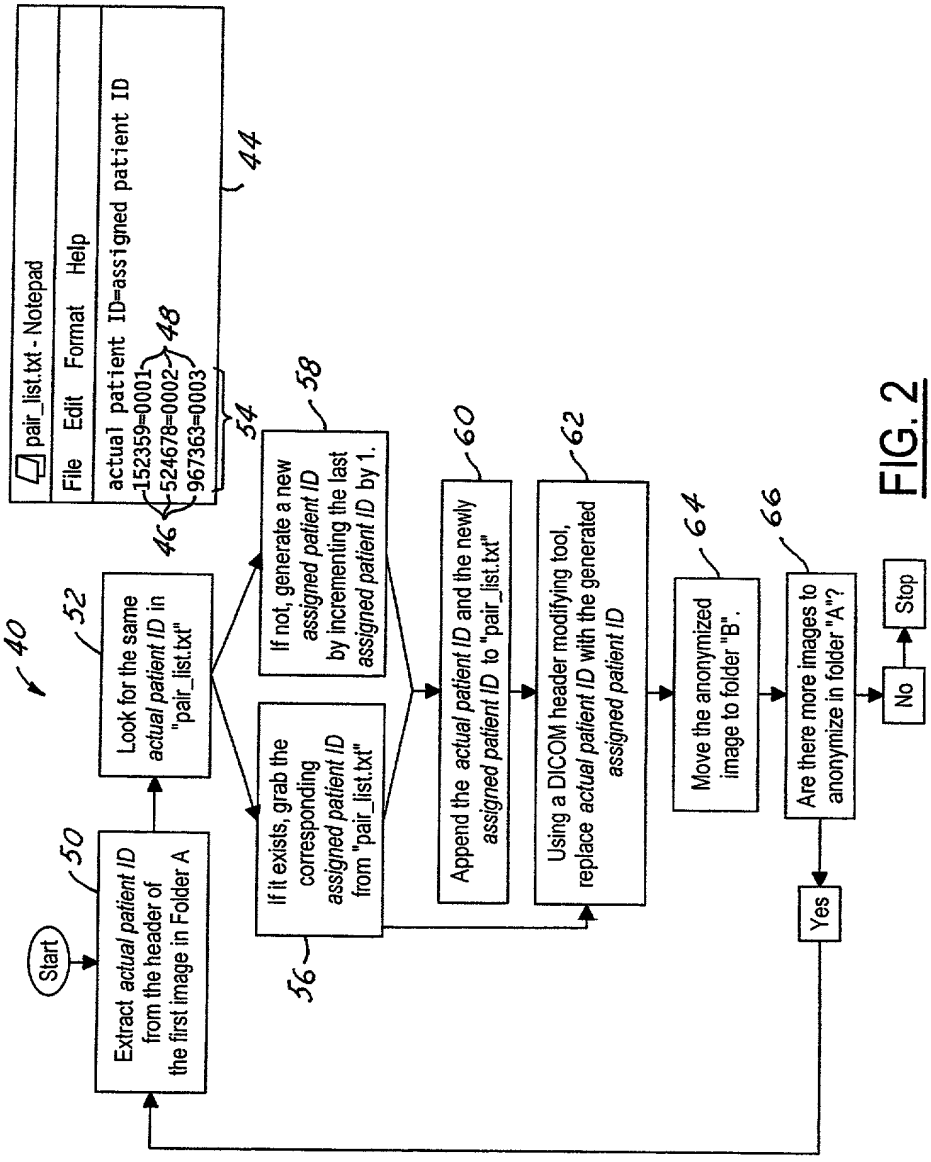
pair_list.txt - Notepad
File Edit Format Help
actual patient ID=assigned patient ID
152359=0001
524678=0002
967363=0003
44
46
48
54
40
Start
50
Extract actual patient ID from the header of the first image in Folder A
52
Look for the same actual patient ID in "pair_list.txt"
56
If it exists, grab the corresponding assigned patient ID from "pair_list.txt"
58
If not, generate a new assigned patient ID by incrementing the last assigned patient ID by 1.
60
Append the actual patient ID and the newly assigned patient ID to "pair_list.txt"
62
Using a DICOM header modifying tool, replace actual patient ID with the generated assigned patient ID
64
Move the anonymized image to folder "B".
66
Are there more images to anonymize in folder "A"?
Yes
No
Stop

FIG. 2